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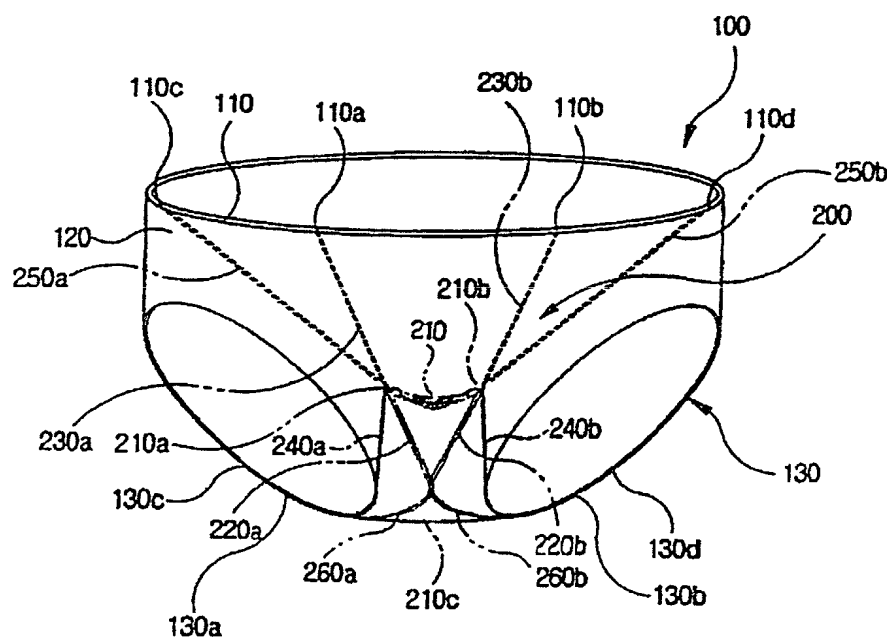
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(54) Title: HEALTH UNDERPANTS



(57) Abstract: Disclosed is a health underwear allowing a mass production by simplifying the construction thereof. The underwear comprises a body (100) having a waist band (110), a fabric panel (120), and a leg gripping band (130), and a healthy mechanism detachable to the waist band and having a penis wire (210), scrotum wires (220a and 220b), penis training wires (230a and 230b), penis supporting wires (250a and 250b), actuating force transmitting members (240a and 240b), and reverse guide wires (260a and 260b). With the construction, the health underwear has a simple construction, and is a help to men suffering from sexual problems.

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## HEALTH UNDERPANTS

### Technical Field

5       The present invention relates to a health underwear of the type disclosed in Korean Patent Nos. 133304 and 215104, and U.S. Patent No. 6,017,303, issued to the inventor, the teachings of which are hereby incorporated by reference, and in particular, relates to a health underwear allowing a mass production by simplifying the construction thereof.

### Background Art

10       Underwears disclosed in Korean Patent Nos. 133304 and 215104, and U.S. Patent No. 6,017,303 include actuating means which is operated by ambulation of a man to harden glans penis.

15       The prior underwear has a superior effect of transmitting an actuating force to the glans penis, but has some problems concerned with mass productivity and merchantability.

### Disclosure of the Invention

20       Therefore, an object of the present invention is to solve the problems involved in the prior art, and to provide a health underwear allowing a mass production easily by simplifying the construction thereof.

25       Another object of the present invention is to provide a health underwear capable of providing a lower portion of a penis with training and acupressure effects by using a simple wire and also a sexual health effect by using means for regulating a temperature of scrotums.

      Since the penis of walking man is positioned at a front of the body, the penis

is moved left and right by the alternatively moving thighs of the man, so that the penis is stimulated.

In case of trunks or boxer briefs, it may be constructed to as underpants or contour briefs having a leg-gripping bend, with its shape being maintained as it is.

5 The underwear is characterized by having simple wires for moving the penis.

A lower portion of the penis is pulled upward by the wire connected and tied simply, thereby providing acupressure and scrotums effects.

It is to be understood that both the foregoing general description and the following detailed description of the present invention are exemplary and  
10 explanatory and are intended to provide further explanation of the present invention as claimed.

### **Brief Description of the Drawings**

The above objects, other features and advantages of the present invention will  
15 become more apparent by describing the preferred embodiment thereof with reference to the accompanying drawings, in which:

FIG. 1 is a detail view illustrating the construction of a health underwear according to a first preferred embodiment of the present invention.

FIGs. 2a to 2c are views illustrating the operation of the health underwear  
20 according to the first embodiment of the present invention.

FIG. 3 is a detail view illustrating the construction of a health underwear according to a second preferred embodiment of the present invention.

FIG. 4 is a detail view illustrating the construction of the health underwear according to the second embodiment of the present invention.

25

### **Best Mode for Carrying Out the Invention**

Reference will now be made in detail to the preferred embodiments of the

present invention.

#### Embodiment 1

Fig. 1 is a detail view illustrating the construction of a health underwear according to a first preferred embodiment of the present invention, the health underwear being for erectile walking men.

As shown in Fig. 1, the health underwear according to the embodiment of the present invention includes a body 100 and a healthy mechanism 200. The body 100 may be conventional underpants or trunks, and the embodiment will now be described with reference to the underpants or contour briefs.

The body 100 includes an elastic waist band 110, a fabric panel 120, and a leg-gripping bend.

The healthy mechanism 200 includes a penis wire 210, scrotum wires 220a and 220b, penis training wires 230a and 230b, penis supporting wires 250a and 250b, actuating force transmitting members 240a and 240b connected to the leg-gripping bend, and reverse guide wires 260a and 260b.

The penis wire 210 and penis training wires 230a and 230b, and the scrotum wires 220a and 220b and penis supporting wires 250a and 250b may be formed integrally with each other, respectively. The penis training wires 230a and 230b are connected to desired portions 110a and 110b between the front surface and the side of the waist band, respectively, and the penis supporting wires 250a and 250b guided to an inguinal region are connected to left and right desired portions 110c and 110d of the waist band 110, respectively. The penis wire 210 is adapted to pull up the lower portion of the penis by a middle portion of the penis wire in state of wearing the health underwear according to the embodiment.

Specifically, the penis wire 210 is formed by connecting two upper portions 210a and 210b of the scrotum wires 220a and 220b with the wire, which are portions adapted to pull up the lower portion of the penis by the penis supporting wire guided

to the inguinal region along an abdomen end from the waist side.

The scrotum wires 220a and 220b are adapted to pass left and right valleys of the scrotums of the wearer putting on the health underwear.

5 The scrotum wires have beads or rings made of natural jade or silver so as to regulate and lower a temperature of the scrotums.

Of course, the scrotum wire may be formed to pull up the scrotums, if necessary. The penis wire 210, the scrotum wires 220a and 220b, and the connecting wires have a wire made of cotton having a desired thick, but partially resilient wire may also possible. If necessary, beads wire or chain wire may be  
10 used. The penis wire has a combination connector and adjusting means 210a and 210b each formed on both ends thereof, and the connecting wire may be provided with the adjusting means and detaching means.

Two operating wires 240a and 240b are extended from both ends 210a and 210b of the penis wire 210, and are connected to two portion 130a and 130b of the  
15 waist band 130.

At that time, an operating start axis (one of resilient bands of the leg-gripping bands is formed as an elastic band to form a conventional means) and the transferring path may be set at left or right depending upon a kind of the underwear.

The reverse guide wires 260a and 260b guiding rearward the lower end of the  
20 scrotum wires 220a and 220b are extended and connected to two lower rear portions 130c and 130d of the waist band. The reverse guide wire may be intersected at a proper portion from a starting portion or be extended without intersecting.

In case of a loose underwear such as trunks or boxer briefs, leg seams 130c and 130d may be positioned on anywhere of the rear portion of the underwear. If  
25 necessary, the scrotum wire and the reverse guide wire may be used as the actuating wire. At that time, the penis wire may be made of a hollow wire so as to be properly activated at the left and right valleys of the scrotums.

In order to harden the glans penis by a friction, an inner surface of the underwear may be provided, on a portion contacted to the glans penis, with a plurality of protruded means suitable to frictional stimulation in such a manner that fruits are hung from a branch or leaves are swayed.

5       The protruded means is directly formed to the body or is detachable from the body.

The operation of the health underwear constructed as described above will now be described. Firstly, when the wearer has the underwear on, the lower portion of the penis of the wearer is pulled upward by the penis wire 210. The  
10       scrotum wires 220a and 220b are made of a material capable of reducing the temperature of the penis (metal such as gold or silver, natural jade, or other medical material) to regulate the temperature of the penis. The penis wire is provided on a middle portion thereof with the same means as the scrotum wire, means for stimulating the lower portion of the penis, and means for protecting and stimulating  
15       urethra.

Since the penis supporting wire is adapted to be guided toward the inguinal region along the abdomen-lower valley from the waist, the wire enters into the valley at any posture, so that the penis wire connected to the penis supporting wire does not leave from the lower portion of the penis. If necessary, the penis  
20       supporting wire serves as the scrotum wire.

If the wearer puts on the underwear, and stands erect, the penis is pulled upward by the penis wire, as shown in Fig. 2a.

Whenever the wearer moves the waist band, the penis of the wearer is pulled upward by the penis wire, the penis is provided with the stimulation.

25       In addition, if the wearer walks with putting on the health underwear according to the embodiment, the waist band connected to the other of the thighs pulls the penis wire, whenever one of the thighs of the wearer is moved, as shown in

Figs. 2b and 2c.

The penis of the wearer is stimulated every walking motion.

Specifically, during standing erect, the penis is maintained in state of facing forward by the penis wire, as shown in Fig. 2a.

5 If the user putting on the health underwear of the present invention has a posture with the left thigh advanced relative to the right thigh, as shown in Fig. 2b, the penis wire is moved by the movement of the thigh.

If the right thigh is advanced relative to the left thigh, as shown in Fig. 2c, the penis wire is moved as much as a moved amount of the penis wire.

10 Since the penis of walking man is positioned at a front of the body, the penis is moved left and right by the moving center of mass of the man.

#### Embodiment 2

Fig. 2 is a view illustrating the construction of a health underwear according to a second preferred embodiment of the present invention, in which a receptacle  
15 400 is integrally or detachably formed on a body 300 of the underwear.

The body 300 of the underwear may be conventional underpants or trunks, and the embodiment will now be described with reference to the trunk or boxer brief. It is noted that the receptacle 400 may be formed detachably formed on the body 300.

20 The body 300 includes an elastic waist band and a fabric panel.

The receptacle 400 includes a penis wire 410, scrotum wires 420a and 420b, penis training wires 430a and 430b, penis supporting wires 450a and 450b, and reverse guide wires 440a and 440b.

The penis wire 410 and penis training wires 430a and 430b, and the scrotum  
25 wires 420a and 420b and penis supporting wires 450a and 450b may be formed separately or integrally with each other, respectively. The penis training wires 430a and 430b are connected to desired portions between the front surface and the

side of the waist band, respectively, and the penis supporting wires 450a and 450b guided to an inguinal region are connected to left and right desired portions of the waist band, respectively. The penis wire 410 is formed by connecting upper ends of the scrotum wires 420a and 420b with a wire or fastener. The penis wire 410 is adapted to pull up the lower portion of the penis by a middle portion of the penis wire in state of wearing the health underwear according to the embodiment. The penis wire is adapted to pull up the lower portion of the penis by the penis supporting wire guided to the inguinal region along an abdomen end from the waist side. The penis supporting wires may serve as the penis training wires.

The penis wire 410, the scrotum wires 420a and 420b, and the connecting wires have a wire made of cotton having a desired thick, but partially resilient wire may also possible. If necessary, beads wire or chain wire may be used.

In order to harden the glans penis by a friction, an inner surface of the underwear may be provided, on a portion contacted to the glans penis, with a plurality of protruded means suitable to frictional stimulation in such a manner that fruits are hung from a branch or leaves are swayed.

The protruded means is directly formed to the body or is detachable from the body.

In addition, two wires 440a and 440b are extended from lower ends of the scrotum wires 420a and 420b, and are connected to the desired portions of the waist band, as shown in Fig. 3.

The reverse guide wires 440a and 440b formed by extended wires may be intersected at a proper portion from a starting portion or be extended without intersecting. Otherwise, the reverse guide wires 440a and 440b may be passed through an encounter portion 490 to form a knot.

The reverse guide wires 440a and 440b are knotted in a middle portion of the extension. In case of the trunks or boxer briefs, wire passing portions 480a and



480b are formed to conceal the reverse guide wires.

The wire passing portions 480a and 480b include an upper end portion and a lower end portion. The wire passing portions may be formed of a net fabric to form ventilation holes.

5       The penis wire is provided on a middle portion thereof with the same means as the scrotum wire, means for stimulating the lower portion of the penis, and means for protecting and stimulating urethra.

10       The penis wire 410 is provided on a middle portion thereof with tasseled or embossed ornaments 410c and 410d having beads or rings for protecting and stimulating urethra, as shown in Fig. 4.

The penis wire 410 is also provided on a middle portion thereof with tying means 410a and 410b of tying the penis for preventing the penis from being missed, if necessary.

15       The scrotum wires 420a and 420b are made of a material capable of reducing the temperature of the penis (metal such as gold or silver, natural jade, or other medical material) to regulate the temperature of the penis. For example, the scrotum wire may include beads 420a and 420d or rings 420e and 420d. As shown in Figs. 3 and 4, adjusting means 460a and 460b are provided on a boundary portion between the penis wire and the scrotum wire, and adjusting means and detaching  
20       means are provided in each wire. The detaching means may be selected from the prior art. The adjusting means of the wire regulates a length of the wire depending upon the physical conditions of the wearer.

25       According to the embodiment of the present invention, the penis wire for pulling up the lower of the penis is adapted to be guided toward the inguinal region along the abdomen-lower valley from the waist, and is tied to the desired portion between the front portion and the side portion of the waist band. The scrotum wire is connected to the reverse guide wire. If the wearer puts on the underwear, and

stands erect, the penis is pulled upward by the penis wire, and the penis is provided with the stimulation.

Therefore, in any case of the physical conditions or motions of the wearer, the scrotum wire does not come off the lower portion of the penis, so the penis is stimulated and pulled upward.

The pulled penis is more easily moved side to side, so that the glans is rubbed with the front of the underwear.

Accordingly, the rubbing action causes the penis to be erected at normal times, so that it is a help to the growth and hardening of the penis.

The penis training wire is repeatedly pulled, the penis is moved by the penis wire up and down.

Therefore, the lower portion of the penis is also moved together with the penis, so that it is a help to the growth and hardening of the penis. In addition, the scrotums are properly moved to improve the spermatogenesis. Also, it is a help to several sexual problems due to the insufficient exercise.

The second embodiment is similar to the first embodiment, except that the present invention is applied to the loose underwear such as trunks or boxer briefs. Since the wire arrangement is functional, a sensory neuron of the penis is strengthened by the slight movement of the wearer.

If necessary, the entire of the scrotum wire may be detached from the underwear, so that simplification may be achieved. Specifically, the penis wire may be formed to the penis supporting wires and the penis training wires.

In addition, the penis wire is separately formed with the waist band, so that it may be detached from the body of the underwear.

### **Industrial Applicability**

Since the penis is supported by the scrotums, the motion of the penis is

restricted by it.

Accordingly, if the penis is exercised, it may be well grown. Therefore, the penis is strengthened using not the artificial method, but a natural method employing a conventional underwear.

5        If the lower portion of the penis is pulled upward, the length of the penis may be increased. In addition, the lower portion of the penis is strengthened by the movement of the penis.

10

## Claims

1. A health underwear comprising:

a body having a waist band, a fabric panel, and a leg-gripping bend; and

5 a healthy mechanism detachable to the waist band and having a penis wire, scrotum wires, penis training wires, penis supporting wires, actuating force transmitting members, and reverse guide wires,

the penis wire being adapted to pull up a lower portion of a penis by a middle portion of the penis wire,

10 the scrotum wires being adapted to pass left and right valleys of scrotums, and to regulate a temperature of the scrotums,

the penis supporting wire being adapted to be guided toward an inguinal region along an abdomen-lower valley from a waist, and connected to a left and right portion of the waist band,

15 the penis training wires being connected to desired portions between a front surface and a side of the waist band, respectively, so that the penis wire is connected to a left and right side of the penis training wires,

the actuating force transmitting members being extended from both ends of the penis wire to a rear portion of the leg-gripping bend,

20 the reverse guide wires being connected to a rear left and right portion of the waist band or the rear portion of the leg-gripping bend to tie the scrotum wires, and

each of the wires being provided with wire adjusting means and detaching means.

25 2. A health underwear comprising:

a body having a waist band and a fabric panel; and

a healthy mechanism detachable to the waist band and having a penis wire,

scrotum wires, penis training wires, penis supporting wires, and reverse guide wires, each of the wires provided with wire adjusting means,

the penis wire being adapted to pull up a lower portion of a penis by a middle portion of the penis wire,

5 the scrotum wires being adapted to pass left and right valleys of scrotums, and to regulate a temperature of the scrotums,

the penis supporting wire being adapted to be guided toward an inguinal region along an abdomen-lower valley from a waist, and connected to a left and right portion of the waist band,

10 the penis training wires being connected to desired portions between a front surface and a side of the waist band, respectively, so that the penis wire is connected to a left and right side of the penis training wires,

the reverse guide wires being connected to a rear left and right portion of the waist band or the rear portion of the leg-gripping bend to tie the scrotum wires, and

15 the wire adjusting means provided on the penis wire, the scrotum wires, the penis supporting wires, and the penis training wires, and an upper portion of the scrotum wire being provided with further detaching means.

3. A health underwear comprising:

20 a waist band; and

a healthy mechanism detachable to the waist band and having a penis wire, scrotum wires, penis training wires, penis supporting wires, and reverse guide wires, each of the wires provided with wire adjusting means,

25 the penis wire being adapted to pull up a lower portion of a penis by a middle portion of the penis wire,

the scrotum wires being adapted to pass left and right valleys of scrotums, and to regulate a temperature of the scrotums,

the penis supporting wire being adapted to be guided toward an inguinal region along an abdomen-lower valley from a waist, and connected to a left and right portion of the waist band,

the penis training wires being connected to desired portions between a front  
5 surface and a side of the waist band, respectively, so that the penis wire is connected to a left and right side of the penis training wires,

the reverse guide wires being connected to a rear left and right portion of the waist band or the rear portion of the leg-gripping bend to tie the scrotum wires, and

the wire adjusting means provided on the penis wire, the scrotum wires, the  
10 penis supporting wires, and the penis training wires, and an upper portion of the scrotum wire being provided with further detaching means.

4. The health underwear as claimed in any one of claims 1 to 3, wherein the scrotum wires are made of a material capable of reducing the temperature of the  
15 penis to regulate the temperature of the penis, and the material is provided in a shape of bead ring.

5. The health underwear as claimed in any one of claims 1 to 3, wherein the penis wire is made of the material claimed in claim 4, and the penis wire is provided  
20 on a middle portion thereof with tasseled or embossed ornaments.

6. The health underwear as claimed in any one of claims 1 to 3, wherein the penis wire for pulling up the lower of the penis is adapted to be guided toward the inguinal region along the abdomen-lower valley from the waist, and is tied to the  
25 desired portion between the front portion and the side portion of the waist band.

7. The health underwear as claimed in any one of claims 1 to 3, wherein the

penis training wire is adapted to move the penis up and down by repeatedly pulling up the penis training wires using a centrifugal force.

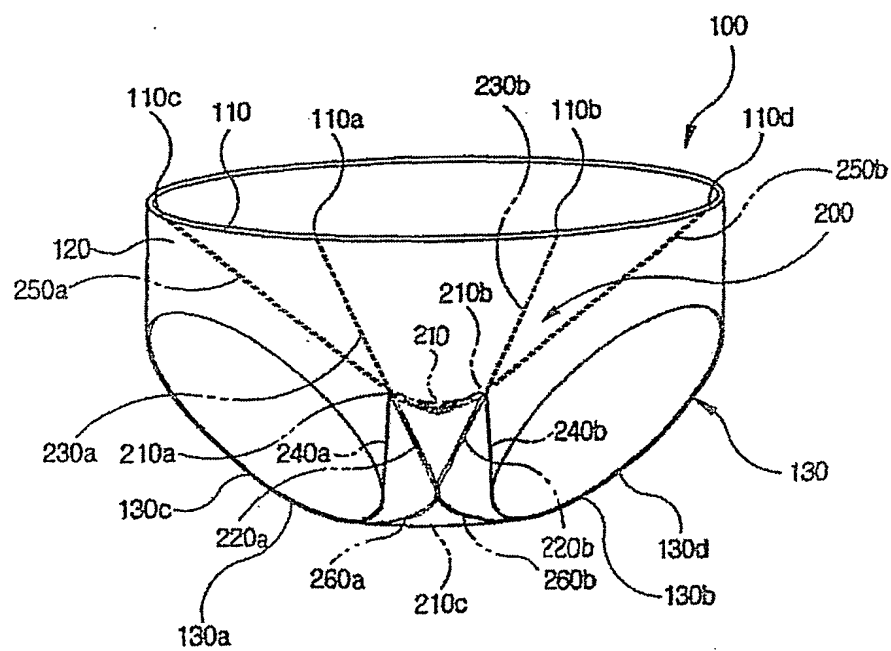
8. A health underwear comprising a plurality of protruded means having a shape  
5 suitable to frictional stimulation in such a manner that fruits are hung from a branch or leaves are swayed.

9. The health underwear as claimed in claim 1 or 2, wherein wire passing  
10 portions are formed to conceal the reverse guide wires, and in case of trunks the reverse guide wires are passing through the wire passing portions.

10. The health underwear as claimed in claim 2, wherein only the penis wire is  
formed in the penis supporting wires and the penis training wires to pull up a lower  
portion of the penis.

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Fig. 1





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Fig. 2a

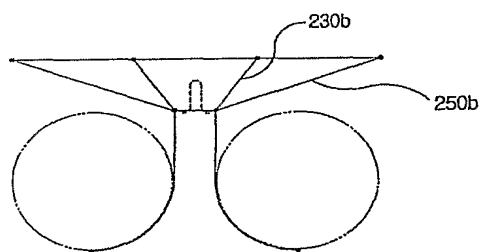


Fig. 2b

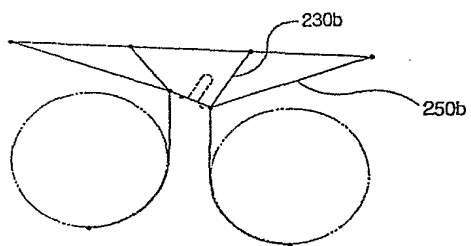
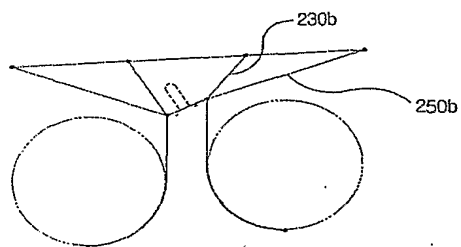
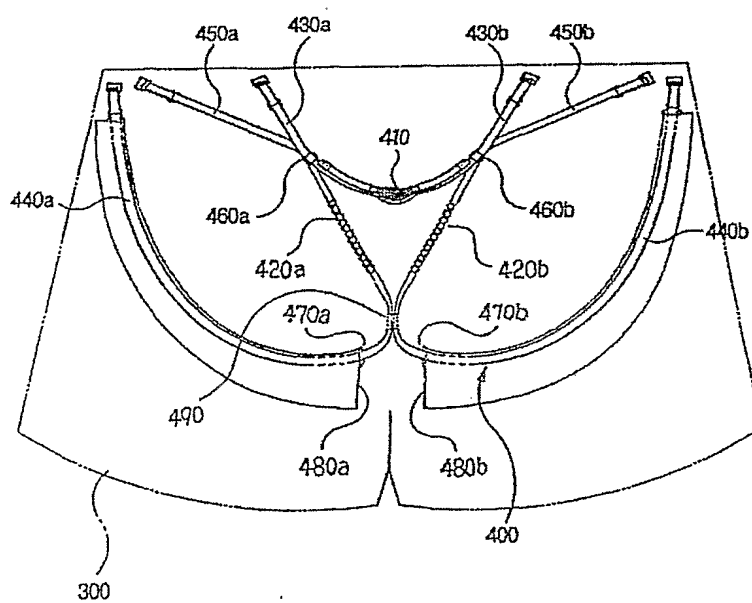


Fig. 2c



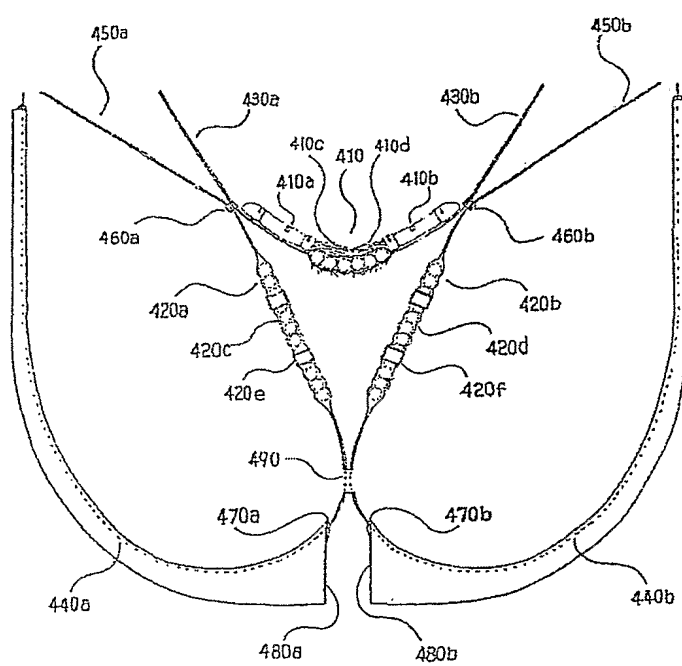
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Fig. 3



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Fig. 4



## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/KR01/00336

**A. CLASSIFICATION OF SUBJECT MATTER****IPC7 A41B 9/02**

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC7 A41B 9/02, A41B 9/12

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

KR, IPC as above

JP, IPC as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5,870,779 A (Rodney. Heron) Feb. 16, 1999(16, 02, 1999)(Family None) see the whole document	1-3
A	JP 53-164307 U (Iwamoto. Kzuhira) Dec. 22, 1978(22, 12, 1978)(Family None) see the whole document	1
A	KR 99-79013 A (Park. Jung Koo) Nov. 5, 1998(05, 11, 1998)(Family None) see the whole document	1-4
A	KR 95-26419 A (Hong. Young Soo) Oct. 16, 1995(16, 10, 1995)(Family None) see the whole document	1-3
A	KR 96-16084 U (Sea. Seung Kwi) Jun. 17, 1996(17, 06, 1996)(Family None) see the whole document	1-3
A	KR 99-21959 U (Lim. Jae Chul) Jun. 25, 1999(25, 06, 1999)(Family None) see the whole document	1-3

☐ Further documents are listed in the continuation of Box C.☐ See patent family annex.

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